

20010515.qrp v02_n190.qrl.20010515

Date: Tue, 15 May 2001 19:03:05 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2190

QRP-L Digest 2190

Topics covered in this issue include:

- 1) [98214] A new Keyer - the Keylite
by Bob Kellogg <ae4ic@nr.infi.net>
- 2) [98215] Re: This Fourier Transform stuff
by mugglesto@ecentral.com
- 3) [98216] Re: Closed verse Open...
by mugglesto@ecentral.com
- 4) [98217] VE3VAW - mail bouncing
by n5ib@juno.com
- 5) [98218] Estate Sale: A&A 40, A&A 20, NorCal 49er, NE 40-40
by "Phinizy, William" <wphinizy@filenet.com>
- 6) [98219] Estate Sale: 49er Sold!
by "Phinizy, William" <wphinizy@filenet.com>
- 7) [98220] Re: Is Mouser online ordering secure?
by "Karl F. Larsen" <k5di@zianet.com>
- 8) [98221] Re: Bandspread experiments on the SW40+
by "Phinizy, William" <wphinizy@filenet.com>
- 9) [98222] re. Mouser Security
by Pete Burbank <plburbank@kih.net>
- 10) [98223] QRP SSB Testing
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [98224] Re: Is Mouser online ordering secure?
by "Steve McDonald" <jsm@gulfislands.com>
- 12) [98225] SGC-230 up for grabs
by "John Nall" <nally@talstar.com>
- 13) [98226] Re: Is Mouser online ordering secure?
by "NØRC, Rod Cerkoney" <n0rc@hotmail.com>
- 14) [98227] Antenna tuner
by Mike <kd0ar@alltel.net>
- 15) [98228] RE: Is Mouser online ordering secure?
by "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
- 16) [98229] Re: Wanted: Suggestions on a first QRP rig
by "James R. Duffey" <jamesd1@flash.net>
- 17) [98230] Re: Antenna tuner
by "Steve Yates, AA5TB" <aa5tb@arrl.net>
- 18) [98231] Embedded Research at Dayton Hamvention
by Embedded Research <embres@mindspring.com>
- 19) [98232] WOW - What a response - Wanted: Suggestions on a first QRP rig

- by "Gary Powell" <n4dl@worldnet.att.net>
- 20) [98233] OT: Looking for Yasuo Itoh, JN2AMR
by "Dennis Payton" <dpayton@fwi.com>
- 21) [98234] FT-817 nicad battery pack
by JJ&A <w7ls@blarg.net>
- 22) [98235] Re: borrow a wattmeter? (Mpls area)
by "Russ Hines" <wb8zcc@one.net>
- 23) [98236] The Dayton WX report for Doug Hendricks
by Dan Puckett <dpuckett@graphtronics.net>
- 24) [98237] Re FT-817 and 6 Mtrs
by Joseph Mikuckis <k3chp@erols.com>
- 25) [98238] MI QRP Net Tonight
by ed.kwik@delphiauto.com
- 26) [98239] NETXQRP Mtg. & PSK-31 Demo
by "Chuck Carpenter" <w5usj@globeco.net>
- 27) [98240] Web Page
by "Pastor-KC1DI" <elbc@pivot.net>
- 28) [98241] FT-817 Alt. Pwr. Re: QQ Article (longish)
by "Chuck Carpenter" <w5usj@globeco.net>
- 29) [98242] Re: Is Mouser online ordering secure?
by Jeffrey L Greer <wd4et@juno.com>
- 30) [98243] RE: FT-817 Alt. Pwr. Re: QQ Article (longish)
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 31) [98244] NEQRP SSB NET Tuesday 7:00PM EDST 7.285
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 32) [98245] Re: WPM and dit duration
by Bill Coleman <aa4lr@arrl.net>
- 33) [98246] Re: Words per minute
by Bill Coleman <aa4lr@arrl.net>
- 34) [98247] Re: Q: Herring-Aid 5 ??
by Bill Coleman <aa4lr@arrl.net>
- 35) [98248] Re: 00oops -- FT-817 Alt. Pwr. Re: QQ Article (longish)
by "Chuck Carpenter" <w5usj@globeco.net>
- 36) [98249] Re: OT: Looking for Yasuo Itoh, JN2AMR
by "Dennis Payton" <dpayton@fwi.com>
- 37) [98250] Re: Is Mouser online ordering secure?
by "K3NG" <k3ng@fast.net>
- 38) [98251] Re: Q: Herring-Aid 5 ??
by Bruce Muscolino <w6toy@erols.com>
- 39) [98252] FS Portable Gusher Antennas
by "Joe Everhart" <n2cx@voicenet.com>
- 40) [98253] Re: FS Portable Gusher Antennas
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 41) [98254] RE: Is Mouser online ordering secure?
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 42) [98255] RE: FS Portable Gusher Antennas
by N10DL@aol.com
- 43) [98256]

- by Ronald_A_Pfeiffer@raytheon.com
- 44) [98257] W7ZOI-W7PUA dBm meter
by "Steven Weber" <kd1jv@moose.ncia.net>
- 45) [98258] Re: Q: Herring-Aid 5 ??
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 46) [98259] W7ZOI-W7PUA dBm meter from Kanga
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 47) [98260] Bike trip update
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 48) [98261] RE: toroids What type for QRP Balun?
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 49) [98262] NorCal-20
by "Oleg Borodin" <master72@lipetsk.ru>
- 50) [98263] Re: NorCal-20
by "John J. McDonough" <wb8rcr@arrl.net>
- 51) [98264] Re: NorCal-20
by ed.kwik@delphiauto.com
- 52) [98265] How to become knowledgeable and stay that way on components
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 53) [98266] Re: [MH101] Schematic Update
by Doug Simpson <dsimpson@darkwing.uoregon.edu>
- 54) [98267] [HB] Messing with cordless phones
by "Brad Hernlem" <alihernlem@hotmail.com>
- 55) [98268] Morse Express / Oak Hills at Dayton
by "Marshall Emm" <mgemm@mtechnologies.com>
- 56) [98269] Dayton Internet
by Joe Smith <joe@joesmith.net>
- 57) [98270] Appalachian Trail Hike in PA
by "Ron Polityka" <wb3aal@fast.net>
- 58) [98271] Island QRP Expedition
by Paul Stroud <aa4xx@ipass.net>

Date: Mon, 14 May 2001 19:12:07 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: KLQRP Reflector <klqrp@applegate.org>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [98214] A new Keyer - the Keylite
Message-ID: <3B006647.3D1886CE@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

The Knightlites QRP Association proudly announces the birth of our latest baby, the Keylite. The Keylite is a small memory keyer with a

BIG difference.

It will key your transmitter when you plug your paddles into it, and it will also key your transmitter when you plug your IBM keyboard into it and simply type your message!

It has four memories which will chain together. It has a beacon mode. The pause feature allows interrupting the beacon to send from the paddle, then resume the beacon, all with single keystrokes. Its internal speaker allows code practice or listening to memories without transmitting.

It can send Farnsworth spacing, under complete control of the user. Sending speed is 1-99 words per minute, with variable word spacing.

It has a high quality, two line, 32 character LCD which displays your typed message. (or the message being sent from memory) There is no other keyer on the market with this feature. The LCD and buffer allow you to see typing errors and correct them before they are sent.

This is a very flexible little keyer. It's fun to build, and fun to use. Those who checked into the Knightlites QRP net this week and marveled at the perfect code sent by the NCS, know that you were listening to a Keylite in action!

The Keylite is available as a complete kit, including case. It's easy to build and fun to use. The price of the kit is \$55 plus \$3.50 priority shipping in the U.S. (\$5.50 DX) Make checks out to Bob Kellogg, and send orders, along with a return address sticker to Bob at the address below.

A picture and more information will soon be available on the Knightlites Web Site, www.Knightlites.org

72/73,

Bob Kellogg, AE4IC
4708 Charlottesville Rd.
Greensboro, NC 27410-3622

Date: Sun, 13 May 2001 22:38:51 -0600 (MDT)
From: muglesto@ecentral.com
To: Mark Fancher <mmmfancher@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98215] Re: This Fourier Transform stuff

Message-ID: <Pine.LNX.4.10.10105132236280.1310-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK, Mark. What is this simple formula. Baffled minds want to know (left my differential equations textbook in my other suit).

Brad Mugleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

On Thu, 10 May 2001, Mark Fancher wrote:

> Its very computationally intensive and well suited for a computer, but
> surprisingly, a simple formula. You can find it in any differential
> equations textbook.
>
> Mark, W09G
>

Date: Sun, 13 May 2001 22:23:24 -0600 (MDT)
From: muglesto@ecentral.com
To: preacher102677@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98216] Re: Closed verse Open...
Message-ID: <Pine.LNX.4.10.10105132221230.1310-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

One of the things you may consider is having the power shut off if the headset is not plugged in. This way you don't have to add a power switch and you can shut off the power just by unplugging the headset.

Wish I would have thought of that before as I have a few rigs that don't have a power switch and I keep running down the batteries.

Brad Mugleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

On Fri, 11 May 2001 preacher102677@juno.com wrote:

> Got it guys!
> Thanks! Apparently, the jacks I have are of the closed type, and I know
> what that means now.
> I won't be connecting the third contact.
>
> LIC,
> G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
> Photographer, Philosopher, Preacher, Pirate, Poet.
> DE KG4GVL Clear.
>
>

> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Mon, 14 May 2001 19:49:05 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [98217] VE3VAW - mail bouncing
Message-ID: <20010514.184728.4639.2.n5ib@juno.com>

Brien - <pepperb@gov.on.ca> VE3VAW

Your mail to the MH-101 project group has bounced the last two times,
please advise if there is a more current addr.

72
Jim N5IB

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 14 May 2001 16:51:54 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "QRP-1 Forum (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [98218] Estate Sale: A&A 40, A&A 20, NorCal 49er, NE 40-40
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76F9C@hq-expo2.filenet.com>

Dick, WB6JDH, has checked out four more radios made by one of our club members, Jay Chamness, W6JAZ. Jay, as you may remember, is in the last stages of terminal brain cancer (he is now in a hospice) and we are helping his wife Evelyn with the sale of Jay's ham equipment.

The rigs are as follows:

A&A 20-meter rig: \$100 shipped (with copy of 1993 ARRL HB Article).
A&A 40-meter rig: \$100 shipped (with copy of 1993 ARRL HB Article).
49er: \$35 shipped.
NE 40-40: \$60 shipped (forerunner to Dave Denson's SW-40).

Jay is a fine craftsman and his handiwork may be seen at <http://www.catalina-inter.net/justfur/JayRadio.htm>. The above prices are OBO and we sincerely appreciate your attention and kindness. Just send me an e-mail and I will confirm your offer.

72 es tn timer

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Mon, 14 May 2001 17:18:36 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "QRP-1 Forum (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [98219] Estate Sale: 49er Sold!
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76FA1@hq-expo2.filenet.com>

Thanks to all who put in bids.

Bill, K6WHP

Date: Mon, 14 May 2001 18:27:01 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Robert P. Okas" <vintage@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98220] Re: Is Mouser online ordering secure?
Message-ID: <Pine.LNX.4.33.0105141825370.2358-100000@cannac.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob, I buy all my stuff from Mouser via the web page with my credit card. They box and ship the same day and you have it sooner than any place I know.

On Mon, 14 May 2001, Robert P. Okas wrote:

> Hi gang,
>
> I just placed an online order with Mouser, and I hope I don't regret
> it. I called their 800 number after my web browser didn't flash up the
> usual warning that I was about to conduct a secure transaction. I was
> assured that the online ordering was secure by the operator, and she
> couldn't take my order because her system was down. So, what have others
> experienced with this outfit?
>
>
> 73,
> Bob - W3CD
>
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 14 May 2001 17:28:29 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [98221] Re: Bandspread experiments on the SW40+
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76FA3@hq-expo2.filenet.com>

Very interesting results! Wonder what kind of linearity the 10-turn pot offers with the 130 KHz spread?

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Mon, 14 May 2001 20:37:00 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [98222] re. Mouser Security
Message-ID: <5.0.2.1.0.20010514203222.00a899f0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I tried 2 days ago to get into their on-line catalog and was met with a message from some hacker calling himself the "Net Ranger". Evidently some sicko has been messing with them.

73 to all
Pete NV4V

Date: Mon, 14 May 2001 18:46:49 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [98223] QRP SSB Testing
Message-ID: <Pine.LNX.4.33.0105141834010.2358-100000@cannac.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I decided to get some data on the New Mexico 7.290 MHZ get together and the results were exactly as expected. To stations that I had propogation to heard me fine but commented I was not as strong as usual. I was not heard by a mobile in Trinidad CO, or by 2 stations in Albq. But I was 59 in Taos and TorC and local station and a small town 150 miles from me.

The test proves that on a day when A=22 which is weird propogation, a QRP signal works just fine.

I called wb1cpd on 14.040 MHz and he came right back. He was running 50 watts, I 5 from the Argo. We had heavy QSB and Jerry's signal varied from s2 to over s9! But Jerry copied me fine and we had a Nice 30 minute QSO. Jerry had a 3 element beam up 35 feet, I a 6 element up 60 feet.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 14 May 2001 17:54:16 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98224] Re: Is Mouser online ordering secure?
Message-ID: <007601c0dcd9\$91944080\$9a4bfea9@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I order all the time 'online' and they have been very good and fast as well!

VE7SL

Date: Mon, 14 May 2001 21:08:25 -0400
From: "John Nall" <nally@talstar.com>
To: <qrp-1@lehigh.edu>
Subject: [98225] SGC-230 up for grabs
Message-ID: <003b01c0dcdb\$8bdf7540\$0200a2c6@de11system>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an SGC-230 automatic antenna tuner which is no longer needed here. Unfortunately, it has a problem. The microprocessor in it is bad, and will have to be replaced. So far as I know, that is the only problem. This is the type which has an all-weather case and can be mounted outside. \$50 and you pay shipping.

John AF4WM

Date: Mon, 14 May 2001 19:38:12 -0600
From: "N0RC, Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98226] Re: Is Mouser online ordering secure?
Message-ID: <0E37BRARVc4Iu1B6gVs000029b5@hotmail.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Robert,

I, like others, have ordered without problems.

I dug into Mousers web a bit, and learned that they indeed use an HTTPS connection when you hit the "Checkout" button. Here is a bit of code extracted from their site:

```
...FORM ACTION="https://www.mouser.com/secure...  
        ^^^^^^
```

Def. HTTPS: secure hypertext transfer protocol (HTTPS) is a communications protocol designed to transfer encrypted information between computers over the World Wide Web. HTTPS is http using a Secure Socket Layer (SSL). A secure socket layer is an encryption protocol invoked on a Web server that uses HTTPS.

Hope this helps.

73, Rod N0RC
Ft Collins, CO

```
*****  
                SuperFest 2001 14-Jul-2001  
            http://www.qsl.net/n0rc/hamfest/hamfest.html  
                BE THERE!  
*****
```

----- Original Message -----

From: "Robert P. Okas" <vintage@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 14, 2001 04:08 PM
Subject: Is Mouser online ordering secure?

```
> Hi gang,  
>  
> I just placed an online order with Mouser, and I hope I don't  
regret  
> it. I called their 800 number after my web browser didn't flash up  
the  
> usual warning that I was about to conduct a secure transaction. I  
was
```

Date: Mon, 14 May 2001 21:44:09 -0400
From: Mike <kd0ar@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98227] Antenna tuner
Message-ID: <01051421440901.00877@kd0ar-1.homeip.net>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Some time ago, I saw some postings about a small ATU for a half wave endfed. Would like a schematic and values for 30 meters. I recently built a SW-30+ that I intend to operate portable at campsites, and any antenna recommendations would be helpful. Thinking of something along the lines of a 1/4 wave - 1/2 wave endfed wire against ground. I know that as you exceed 1/4 wavelength, the feed impedance increases, which is a plus for portable use, as it will tolerate a lossier ground.

I have recently gotten back into QRP operation after about 10 years. In the past, I've only operated from home with a centerfed dipole. Since I know many of you operate portable, I figured I would ask for some advice here. Since I'm only interested in 30 meters, a homebrew unit would be just fine as I want to keep this on a budget if I can.

Thanx,
Mike, kd0ar

Date: Mon, 14 May 2001 19:48:07 -0600
From: "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
To: <vintage@best.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98228] RE: Is Mouser online ordering secure?
Message-ID: <LPELINGNAPFNJMEMINEIGEDICEAA.kc0exp@caddistech.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bob,
I find it always good practice to verify the secure protocol as well. Mouser has a 56 bit encryption key issued from RSA/Verisign which is one of the most trusted issuers of secure certificates. Interestingly enough they have pre-paid their certificate up to 2010. That my friend costs some serious cash. Highly unlikely that a company would spend that amount of money to be unreliable.

I myself use a browser capable of 128 bit encryption and lots of sites will take advantage of this. However, 56 bit is extremely secure and should not worry you a bit.

73 de KC0EXP, Michael

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Mon, 14 May 2001 19:48:49 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <n4dl@worldnet.att.net>, qrp-l <qrp-l@lehigh.edu>
Subject: [98229] Re: Wanted: Suggestions on a first QRP rig
Message-ID: <B725E71F.9948%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Gary - You have obtained a lot of good suggestions for a rig and band to use. Let me add my \$0.02 worth.

The OHR Classic handles 20 M and 40 M and can be bought used for \$125 to \$150. It has a balanced diode mixer, good narrow filter and very quiet receiver. On the transmit side it offers a good solid 5 W out. It has a built in keyer. It is well suited for car camping, but a bit big for backpacking.

The OHR 400, a 80 M, 40 M, 30 M, 20 M rig can also be obtained for about \$200 and is also a very nice rig. It too, is a bit big for backpacking.

My favorite QRP band? During the day, I like to operate the highest band open. 30 M is my favorite when the sun goes down, whether the sun is active or not.

Welcome to the QRP fraternity. Turn down the power on your big rig until you buy a good QRP rig. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 14 May 2001 21:33:50 -0500
From: "Steve Yates, AA5TB" <aa5tb@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98230] Re: Antenna tuner
Message-ID: <00f501c0dce7\$7b1b0ba0\$54713ed8@pavilion>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Mike,

Here is what I use for a half-wavelength antenna on 20m:

<http://www.geocities.com/aa5tb/coupler.html>

I have had one for 30m but I'll have to see exactly what I used. For 20m (see schematic on Web), my secondary coil is constructed of 14 turns of 22 AWG enameled wire wound on a FT-82-63 toroid and the primary consists of 2 turns of 22 AWG wire. I am using a Mitsumi Polyvaricon (transistor radio tuning capacitor) with a value of about 20 to 60 pF in parallel with the secondary coil. For 30m you'll need about 16 turns on the secondary if I remember correctly. The capacitor should tune the system to resonance about midway through its tuning range and the number of turns on the primary should be adjusted for lowest SWR when about a 5k ohm / 5W resistor is connected from across the secondary or when the unit is attached to the 1/2 wavelength antenna.

The main thing is that the secondary coil and tuning capacitor need to resonant on the band of choice and the primary should be adjusted to provide the proper step-up ratio.

A simple L-network will get you there too, especially if the antenna's length is something other than 1/2 wavelength.

73,
Steve Yates - AA5TB
Fort Worth, Texas
Grid Square: EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb/>

Date: Mon, 14 May 2001 23:13:17 -0400
From: Embedded Research <embres@mindspring.com>
To: qrp-1@lehigh.edu
Subject: [98231] Embedded Research at Dayton Hamvention
Message-ID: <3B009ECD.513639A8@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all...

Embedded Research will once again be at the Dayton Hamvention 2001.

Please stop by booth #205 to say hello and check out the specials.

We'll also be at the Ramada Inn at Miamisburg, look for us in the QRP Hospitality Room.

Check out our new website: <http://www.embres.com>

Best regards and see you in Dayton!

- Gary N2JGU

Embedded Research

www.embres.com

ps. Note to any QRP Activity Organizers: If I promised you a Kit donation for the QRP Banquet, FDIIM, etc, and you still do not have the kits, please let me know! Thanks.

Date: Mon, 14 May 2001 23:23:11 -0400
From: "Gary Powell" <n4dl@worldnet.att.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [98232] WOW - What a response - Wanted: Suggestions on a first QRP rig
Message-ID: <005d01c0dcee\$5f4a35c0\$868e4d0c@garys>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got home late tonight and went through my inbox. Twenty six responses to my inquiry about a "first QRP rig".

Thank you all very much.

I am in the process of digesting and compiling the responses and will shortly (in a couple days) post an abbreviated summary. You have all given me a lot to think about, and I will try to reply to each and everyone one of you.

73,
Gary, N4DL

Date: Mon, 14 May 2001 22:52:52 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [98233] OT: Looking for Yasuo Itoh, JN2AMR
Message-ID: <005e01c0dcf2\$8531be80\$27a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My valued friend Yasuo Itoh, JN2AMR seems to have disappeared. I haven't heard from him in about six weeks, my mail is bouncing, and today I discovered his call is no longer in QRZ. Could somebody help me?

Thanks,

Denny Payton, N9JXY

Date: Mon, 14 May 2001 21:31:15 -0700
From: JJ&A <w7ls@blarg.net>
To: qrp-1@lehigh.edu
Subject: [98234] FT-817 nicad battery pack
Message-ID: <3B00B113.956BA724@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

[http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?
ViewItem&item=1235843762&r=0&t=0&showTutorial=0&ed=989991171&indexURL=0&rd=1](http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1235843762&r=0&t=0&showTutorial=0&ed=989991171&indexURL=0&rd=1)

Date: Tue, 15 May 2001 00:41:18 -0400
From: "Russ Hines" <wb8zcc@one.net>
To: <nf9k@eudoramail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98235] Re: borrow a wattmeter? (Mpls area)
Message-ID: <01fa01c0dcf9\$48dec3e0\$360e17d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

A wattmeter?? Sounds like a building project to me. =20

And just in time comes a terrific article from W7Z0I and W7PUA in June's =
QST: an AD8307 and a handful of parts =3D pretty sensitive and accurate =
wattmeter. Check it out.

I'm also waiting for KD1JV's AD8361 wattmeter project kit to arrive... =
I'll be swimming in wattmeters soon! I like it!

73,
Russ Hines
WB8ZCC
wb8zcc@one.net
wb8zcc@arrl.net

----- Original Message -----=20
From: Joel Kluender, NF9K <nf9k@eudoramail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, May 12, 2001 10:44 AM
Subject: borrow a wattmeter? (Mpls area)

> All,
>=20
> I'm looking to borrow a known working and reasonably accurate =
wattmeter to compare the Elecraft K2 internal wattmeter with something =
more accurate. I live in SW minneapolis metro area (Shakopee). Anyone =
willing to loan me one?
>=20
> I have an MFJ tuner with built-in wattmeter that is acting very flaky. =
It reads 5W or more when the K2 says 2.0 W. I have a Sears 10W meter (I =
presume it was used for CB, picked up at a garage sale) which tells me =
5.0 W when the K2 says 3.8 W. I wonder if it's frequency response is =
good throughout the ham bands or not...
>=20
> I'm really just looking for any reasonably accurate meter with which I =

can measure the K2 power accurately. Current drain and all other specs =
seems normal for the K2 so I am thinking it is my meters which are =
flaky.

>=20

> If anyone can help me out I'd appreciate it. I need to build me one of =
the OHR wattmeters one of these days! Thanks in advance for the =
assistance!

>=20

> 73,

> Joel NOKR

Date: Tue, 15 May 2001 00:58:41 -0400
From: Dan Puckett <dpuckett@graphtronics.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98236] The Dayton WX report for Doug Hendricks
Message-ID: <3B00B781.2DBE8604@graphtronics.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Doug,

Here is your annual Dayton WX report.

We have, as usual, arranged for some showers for the next few days.
This is so folks setting up portable verticals can expect good
ground conductivity.

The extended forecast from the National WX Service calls for a chance
of showers every day this week. Mostly at night. Here are the details.

Wednesday : Highs in the mid 70s, lows in the 60s. 80% of precip.

Thursday : Partly cloudy. High 75-80, lows in the low 50s.

Friday : Partly cloudy. Highs in the low 80s, lows in the 60s.

Saturday : Partly cloudy. Highs in the low 70s, lows in the 50s.

Sunday : Partly cloudy. Highs in the upper 60s, lows in the lower
50s.

A chance of showers and t-storms every evening.

So, don't forget to pack your poncho and hip waders. A sweater couldn't hurt either.

I'll update this tomorrow and Wednesday night.

While in town, WX is 162.475 MHz.

See ya in a few,

Dan "Bash Bits"
WD8AAU

Date: Mon, 14 May 2001 07:54:38 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [98237] Re FT-817 and 6 Mtrs
Message-ID: <3AFFC77E.FB4@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fine, Chuck! I too had my first 6-meter QSO with FT=817. Several days ago heard WA2BPE calling CQ (CW mode). Was surprised when he came back to me from grid FN12. Later I worked a bunch of local and semi-local stations on CW and SSB during the VHF/UHF Sprint. My 6-meter antenna is a Halo. Good luck...

Joe, K3CHP
Riverdale, MD
FM18

Date: Tue, 15 May 2001 07:56:54 -0400
From: ed.kwik@delphiauto.com
To: qrp-l@Lehigh.EDU
Subject: [98238] MI QRP Net Tonight
Message-ID: <05256A4D.0041BD3B.00@notes.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Just a reminder that the Michigan QRP net meets each Tuesday night at 9:00 PM

Eastern time on 3.535 Mhz. All hams are welcome.

Ed AB8DF

Date: Tue, 15 May 2001 07:09:25 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU, George Baker <w5yr@att.net>, Lew Paceley <lew@paceley.com>, Richard Kapalczynski <n5ji@yahoo.com>, Dwain Lawhon <dlawhon@ix.netcom.com>, Bill Pierrard <k5jhp@flash.net>, Don Wines <dwines@tyler.net>, Preston Buck <pbuck@flash.net>, Larry Jones <ljones@flash.net>,
Subject: [98239] NETXQRP Mtg. & PSK-31 Demo
Message-ID: <3.0.2.32.20010515070925.00815700@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPLers,

Dave Redfern, N4ELM, will demo his FT-817 and PSK-31 setup at the NETXQRP meeting. This is the same equipment that Dave had at ArkieCon. The setup attracted quite a gathering at Ft. Smith and a few QRPers made their first PSK-31 contact.

The next meeting of the NETXQRP Club will be held this coming Saturday. Interested folks are invited to attend.

Saturday
May 19, 2001
1:00 to 3:00 PM (or so)

John Y Miguel's Cafe (Tex/Mex & 'merican)
104 State Highway 205
Terrell, TX
Phone: (972) 524-1447

Directions:
Miguel's is on the west side of Terrell. It is on 205 north, near the intersection of I-80, 205, and 148. 205 goes north from I-80 toward Rockwall and 148 goes south back across I-20. Go north on 205 about 1/4 mile and it's on the right. Big place, hard to miss. It's just past a Kuick Kar lube-and-tune place and across the road is a Walmart plaza.

If you have a favorite QRP something you'd like to bring along, please do. Weather permitting we may try some portable operation either behind the restaurant or at a local park in Terrell. Come join the fun!

For more NETXQRP Club info check our website: <http://www.netxqrp.org/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
[TMPs] Qs/131, States/40, DX /27, 3W to HF9V, Marsh Key, Codeboy Keyer

Date: Tue, 15 May 2001 08:12:40 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98240] Web Page
Message-ID: <000f01c0dd38\$573a00a0\$6111a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

First let me thank all who have veiwed my first attempt at web page
building. and for the helpful hints and suggestion received from all.

I've update the page with new material and links so if you have time take a
look
73 & 72 Dave Kc1di
100% CW
WebPage: <http://silverkelt.tripod.com/kc1di/>

Date: Tue, 15 May 2001 07:53:45 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [98241] FT-817 Alt. Pwr. Re: QQ Article (longish)
Message-ID: <3.0.2.32.20010515075345.00816470@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FT-817 Folks,

An article in this recent QQ magazine described alternate power sources for
the FT-817. The article, written by Barry Johnson, W4WB, included a
description of the International Power Sources Model CUP36-12-1 switching
power supply. It's compact, light weight, and looked like what I wanted

for the FT-817.

I sent an email to the company from the web site indicating my interest and received a call in a couple of days from a sales distributor. He took my info and I had the supply via UPS a few days later. <http://www.intlpower.com>

After getting the supply connected, I ran it to see how it would perform. Without having any test equipment other than a DMM, it seems to do the job quite well. I could not detect any hash noise on any band that can be tuned by the FT-817. The regulation from receive load to full 5 W transmit load changed a little over 1/10 of a volt. With the DMM, the voltage was 13.75 (R) to 13.62 , CW, 5W to a dummy load.

After a couple of hours of intermittent operation, the supply was warm to the touch but not excessively so. I accidentally shorted the supply and the short circuit protection worked. Reset is automatic but only after disconnecting and reconnecting the AC cord. Probably not something you should do on purpose, though... 8^)...

Connecton: Rather than replace the 5.5 x 2.5 mm coaxial connector, I made an adapter cable. I used a short length of red/black zip cord and connected it between a coax socket and a 4 x 1.7 mm plug. Keep the connection flexible as excessive force could damage the connector in the FT-817. Barry also mentioned this in his article. I left the 5.5 x 2.5 connector on because the supply will power other equipment in the shack when needed.

Something else Barry mentioned was the risk of damage to the 817 if the power connections are reversed. He suggested the use of 3 A Pico Fuses for protection when installing high current rechargeable batteries. I think this would be a good idea for any alternate power supply. Be sure to use only the 4 x 1.7 mm connectors to the 817 too.

Power cord: Thinking I'd have one in my box of collectibles, I didn't order the optional power cord. It's not a standard 3 prong thing though, so I had to find one. It's a two-wire cord with the socket-end shaped like a figure 8. Radio Shack part no. 61-2876 did the job. You may want to order one with the supply.

Everything fits nicely in my brief case along with the MP-1 antenna and a length of RG-8X coax. Except for a V/UHF antenna, other than the supplied whip, I have a complete HF setup ready to go at any time.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>

[TMPS] Qs/131, States/40, DX /27, 3W to HF9V, Marsh Key, Codeboy Keyer

Date: Tue, 15 May 2001 07:51:58 -0500
From: Jeffrey L Greer <wd4et@juno.com>
To: vintage@best.com
Cc: qrp-1@Lehigh.EDU
Subject: [98242] Re: Is Mouser online ordering secure?
Message-ID: <20010515.075413.-429797.0.wd4et@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have ordered online from Mouser and DigiKey numerous times. I have always received prompt secure service.

I recently ordered a PIC MPLAB ICD from DigiKey. It was a special advertised on the Microchip web page. It wasn't what it appeared. I called customer service. The appropriate version was sent that day and I had 30 days to return the unacceptable unit.

Both DigiKey and Mouser ship the same day the online order is placed.

73, Jeff WD4ET

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 15 May 2001 09:00:43 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: "'w5usj@globeco.net'" <w5usj@globeco.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98243] RE: FT-817 Alt. Pwr. Re: QQ Article (longish)
Message-ID: <078F21595FA7D411B87B00805FA728E64A475D@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

web sit needed a . www.intlpower.com

Jerry

W3CDE

-----Original Message-----

From: Chuck Carpenter [mailto:w5usj@globeco.net]
Sent: Tuesday, May 15, 2001 5:54 AM
To: Low Power Amateur Radio Discussion
Subject: FT-817 Alt. Pwr. Re: QQ Article (longish)

FT-817 Folks,

An article in this recent QQ magazine described alternate power sources for the FT-817. The article, written by Barry Johnson, W4WB, included a description of the International Power Sources Model CUP36-12-1 switching power supply. It's compact, light weight, and looked like what I wanted for the FT-817.

I sent an email to the company from the web site indicating my interest and received a call in a couple of days from a sales distributor. He took my info and I had the supply via UPS a few days later. <http://www.intlpower.com>

After getting the supply connected, I ran it to see how it would perform. Without having any test equipment other than a DMM, it seems to do the job quite well. I could not detect any hash noise on any band that can be tuned by the FT-817. The regulation from receive load to full 5 W transmit load changed a little over 1/10 of a volt. With the DMM, the voltage was 13.75 (R) to 13.62 , CW, 5W to a dummy load.

After a couple of hours of intermittent operation, the supply was warm to the touch but not excessively so. I accidentally shorted the supply and the short circuit protection worked. Reset is automatic but only after disconnecting and reconnecting the AC cord. Probably not something you should do on purpose, though... 8^)...

Connecton: Rather than replace the 5.5 x 2.5 mm coaxial connector, I made an adapter cable. I used a short length of red/black zip cord and connected it between a coax socket and a 4 x 1.7 mm plug. Keep the connection flexible as excessive force could damage the connector in the FT-817. Barry also mentioned this in his article. I left the 5.5 x 2.5 connector on because the supply will power other equipment in the shack when needed.

Something else Barry mentioned was the risk of damage to the 817 if the power connections are reversed. He suggested the use of 3 A Pico Fuses for protection when installing high current rechargeable batteries. I think this would be a good idea for any alternate power supply. Be sure to use only the 4 x 1.7 mm connectors to the 817 too.

Power cord: Thinking I'd have one in my box of collectibles, I didn't order the optional power cord. It's not a standard 3 prong thing though, so I had to find one. It's a two-wire cord with the socket-end shaped like a figure 8. Radio Shack part no. 61-2876 did the job. You may want to order one with the supply.

Everything fits nicely in my brief case along with the MP-1 antenna and a length of RG-8X coax. Except for a V/UHF antenna, other than the supplied whip, I have a complete HF setup ready to go at any time.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
[TMPS] Qs/131, States/40, DX /27, 3W to HF9V, Marsh Key, Codeboy Keyer

Date: Tue, 15 May 2001 09:05:20 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-l@Lehigh.EDU
Subject: [98244] NEQRP SSB NET Tuesday 7:00PM EDST 7.285
Message-ID: <0FD5E8198B.BC9EB8D1-0N85256A4D.00476898@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

We may move around as low as 7.38 to avoid noise. I will try to call the net on 7.285 +- 3khz.

Last weeks check-ins:

*K1VY	Neil	Hollis,NH	Drake C-line
*K1CWZ	SpiI	Nashua,NH	Drake TR-7
*W1CFI	Paul	Falmouth,MA	Drake TR-7
*AB8DF	Ed	Waterford,MI	TT Triton IV
N1EU	Barry	Nr Albany,NY	FT301S
*W1KRT	Ken	Springfield,NH	FT746
NA1XX	Mike	N.Weymouth,MA	QRP+ @ 2W+EFDipole
*WA1OHR	Ev	Windsor,CT	FT756
*K1RC	John	Dracut,MA	IC-735
*KC1FB	Jim	Norwalk,CT	TT ARGO 509

* denotes multiple checkins.

Net control will be Ron N1ZSW from Worcester, MA.

Hope to hear from many more qrpers.

Date: Tue, 15 May 2001 09:14:29 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <k7qo@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98245] Re: WPM and dit duration
Message-ID: <1010415091429.JAF21692@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 5/8/01 6:10 PM, Chuck Adams, K7QO at k7qo@earthlink.net wrote:

>Advanced: Assume a string of dits as a square wave. Use Fourier Analysis
>to determine the bandwidth required at each speed for a continuous string
>which you often hear on the air. :-)

You don't need Fourier analysis. The fundamental bandwidth B is the same
as the baseband frequency f.

eg, 60 wpm, 20ms dit + 20 ms space == 40 ms period

$1/0.040 == 25$ Hz.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 15 May 2001 09:14:28 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <igeq100@iupui.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98246] Re: Words per minute
Message-ID: <1010415091428.JAE21692@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 5/8/01 1:21 PM, igeq100@iupui.edu at igeq100@iupui.edu wrote:

> I am looking for a generally accepted formula that will let me
>translate the measured dits-per-second from a bug into an equivalent
>words-per-minute specification for ordinary text. I recall a thread on
>such a topic a while back, but have forgotten the bottom line. Can anyone
>help me with this?

OK, I've done this several times.

Consider. The width of a dit is T.

A dit consists of 2T elements -- the dit and the element space.

A dah consists of 4T elements -- the dah and the element space.

A character space is an additional 2T elements.

A word space is an additional 6T elements.

So, for CW, the key word for testing speed is "PARIS " (note the trailing space.) This word has the correct number of elements to be considered a basic CW word.

That's 50 total elements to send "PARIS "

So, let S be the speed in WPM. Since 1 WPM would be the speed to send 50 elements in one minute, this would be a period of 50/60 or .83333 per second.

Now, a dit is actually two elements, so divide that by 2 = 25/60 or .41667 per second.

We have to invert this to come up with a dits/per second to WPM:

That's 2.4. So, if you can send 1 dit per second, that's 2.4 wpm. 10 dits per second is 24 wpm.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

Quote: "Not within a thousand years will man ever fly!"

-- Wilbur Wright, 1901

Date: Tue, 15 May 2001 09:14:27 -0400

From: Bill Coleman <aa4lr@arrl.net>

To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [98247] Re: Q: Herring-Aid 5 ??

Message-ID: <1010415091428.JAD21692@gate.iterated.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 4/28/01 10:00 AM, Bruce Muscolino at w6toy@erols.com wrote:

>The largest negative to the direct conversion design is the inability to
>suppress the unwanted sideband. This results in hearing the beat note
>from the

>receiver on both sides of zero beat.

It *IS* possible to get unwanted sideband suppression with a single conversion receiver. Of course, it does require a quadrature LO, and two mixers, but it is possible. (hint: it is like the phasing method of SSB generation, but in reverse)

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 15 May 2001 08:24:59 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98248] Re: 00oops -- FT-817 Alt. Pwr. Re: QQ Article (longish)
Message-ID: <3.0.2.32.20010515082459.007f9220@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My editor goofed...

International Power Sources Model CUP36-12-1 switching
power supply. <http://www.intlpower.com>

The period after www was missing from the URL in my original message

Thanks, Jerry...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
[TMPS] Qs/131, States/40, DX /27, 3W to HF9V, Marsh Key, Codeboy Keyer

Date: Tue, 15 May 2001 08:44:06 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [98249] Re: OT: Looking for Yasuo Itoh, JN2AMR
Message-ID: <000501c0dd45\$1e0b1aa0\$21a854d1@locke>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My regular email server is down. Please send any private responses to me at
n9jxy@hotmail.com . Thanks & sorry for the excessive bandwidth.

Denny N9JXY

Date: Tue, 15 May 2001 09:59:49 -0400
From: "K3NG" <k3ng@fast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98250] Re: Is Mouser online ordering secure?
Message-ID: <005b01c0dd47\$4eeceb60\$3c1c5cd1@itg1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Some of the responses in this thread are equating HTTPS to a secure, reliable site. This isn't necessarily the case. HTTPS is a secure encrypted session to the web server that insures that information (i.e. your credit card number) will not be extracted by examining the packets that are in route to the web server. Once that information is on the server, though, whatever actions are taken or the places the information is stored may be quite insecure. A web site could store the information unencrypted in a text file on the server. If the server has not had recent patches and updates applied, a cracker could use a publicly known exploit on the server to get unauthorized access to the file and get the information. Having a certificate does not necessarily indicate that the company uses good practices in their website coding, management of data, or maintenance of server operating systems.

This is not to say that Mouser, Digikey, and other companies mentioned in this thread are insecure sites, just that HTTPS does not guarantee at the end of the day that your information is indeed secure. You should, however, always make sure that anytime you're entering credit card information, the connection is using HTTPS, as it's one less thing to worry about.

72
Goody
K3NG

EPA QRP #68
K1 #505

CARC #?

----- Original Message -----

From: "Robert P. Okas" <vintage@best.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, May 14, 2001 18:08

Subject: Is Mouser online ordering secure?

> Hi gang,

>

> I just placed an online order with Mouser, and I hope I don't regret
> it. I called their 800 number after my web browser didn't flash up the
> usual warning that I was about to conduct a secure transaction. I was
> assured that the online ordering was secure by the operator, and she
> couldn't take my order because her system was down. So, what have others
> experienced with this outfit?

>

>

> 73,

> Bob - W3CD

>

>

>

>

>

Date: Tue, 15 May 2001 09:55:41 -0400

From: Bruce Muscolino <w6toy@erols.com>

To: Bill Coleman <aa4lr@arrl.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [98251] Re: Q: Herring-Aid 5 ??

Message-ID: <3B01355D.830E78FB@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bill,

Of course it is possible. 50 years ago they called it the phasing method of single sideband. 20 years ago Rick Campbell used it in his R2 receivers. But, the Herring Aid 5 is not one of those. It was designed to be a cheap, simple receiver that would hear signals without too much trauma. The two are not comparable!

There is a difference between the \$20 cost of the Herring Aid 5 and the \$100

dollar (or maybe more) cost of a R2!

73

Date: Tue, 15 May 2001 10:09:13 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "njqrp" <njqrp@njqrp.org>, "qrpl" <qrpl@lehigh.edu>
Subject: [98252] FS Portable Gusher Antennas
Message-ID: <000e01c0dd48\$9f7b0fc0\$d4fc67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Group,

It's been a while...

I am still offerereng the Gusher antennas in between kitting for NJQRP!

Will be at Dayton, in the QRP Hospitality suite with Gusher 2-B and @-1
antennas with prices below the following list. Mail ordering is fine after
Dayton.

72/73,

Joe E., N2CX

N2CX GUSHER

QRP PORTABLE ANTENNAS

GUSHER HI-BANDER - \$20.00 PPD US

GUSHER CLASSIC - \$24.00 PPD US

GUSHER 2-L - \$29.00 PPD US

GUSHER 2-B - \$29.00 PPD US

For additional info contact:

n2cx@voicenet.com

or write to

Joe Everhart, N2CX
214 New Jersey Rd
Brooklawn, NJ 08030

Date: Tue, 15 May 2001 14:16:29
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: n2cx@voicenet.com, qrp-1@Lehigh.EDU
Subject: [98253] Re: FS Portable Gusher Antennas
Message-ID: <F184G0kevWWGxegIqun00006e87@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Can you point me to a quick place I can read a little more about Gushers? I have heard the name but don't remember any of the details! I hope to see you at Dayton! Which night(s) will you be selling them?

72/73 - Mike WA8BXN

>I am still offerereng the Gusher antennas in between kitting for NJQRP!
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Tue, 15 May 2001 10:43:49 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98254] RE: Is Mouser online ordering secure?
Message-ID: <078F21595FA7D411B87B00805FA728E64A4760@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Do not forget that your credit card number is MOST insecure if you use it in a restaurant! Just a piece of fact trivia.

Jerry
W3CDE

-----Original Message-----

From: K3NG [mailto:k3ng@fast.net]
Sent: Tuesday, May 15, 2001 7:00 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Is Mouser online ordering secure?

Some of the responses in this thread are equating HTTPS to a secure, reliable site. This isn't necessarily the case. HTTPS is a secure encrypted session to the web server that insures that information (i.e. your credit card number) will not be extracted by examining the packets that are in route to the web server. Once that information is on the server, though, whatever actions are taken or the places the information is stored may be quite insecure. A web site could store the information unencrypted in a text file on the server. If the server has not had recent patches and updates applied, a cracker could use a publicly known exploit on the server to get unauthorized access to the file and get the information. Having a certificate does not necessarily indicate that the company uses good practices in their website coding, management of data, or maintenance of server operating systems.

This is not to say that Mouser, Digikey, and other companies mentioned in this thread are insecure sites, just that HTTPS does not guarantee at the end of the day that your information is indeed secure. You should, however, always make sure that anytime you're entering credit card information, the connection is using HTTPS, as it's one less thing to worry about.

72
Goody
K3NG

EPA QRP #68
K1 #505
CARC #?

----- Original Message -----

From: "Robert P. Okas" <vintage@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, May 14, 2001 18:08
Subject: Is Mouser online ordering secure?

> Hi gang,
>
> I just placed an online order with Mouser, and I hope I don't regret
> it. I called their 800 number after my web browser didn't flash up the
> usual warning that I was about to conduct a secure transaction. I was
> assured that the online ordering was secure by the operator, and she
> couldn't take my order because her system was down. So, what have others
> experienced with this outfit?
>
>
> 73,
> Bob - W3CD
>
>
>
>

Date: Tue, 15 May 2001 11:02:02 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [98255] RE: FS Portable Gusher Antennas
Message-ID: <15.144b4d0a.28329eea@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have several of these Gusher antennas from Joe. I use them for Hiking and travel. I have one mounted in our attic at our summer house. I have no problem getting DX on this antenna. I use it with my SST-20 connected directly to the antenna. I had it cut for the QRP freq of the band. The other one I have used while on ski trips out west and to Canada. I carry suction cups which I can use to attach the antenna to in the ski condo by attaching the ends to a window and mirror. I also found some neat little attachment sticky mounts at home depot. I can attach them to the walls and they can come down easily when finished using them.

I highly recommend this antenna for anyone who is looking for a great travel antenna, or even a great stealth antenna in a condo unit. Joe does great work as far as I am concerned.

Keep up the great work Joe!

Aron

N10DL

Bedford, NH

(no connection to this company, just a very satisfied customer)

Date: Tue, 15 May 2001 11:08:08 -0500 (CDT)
From: Ronald_A_Pfeiffer@raytheon.com
To: <qrp-1@Lehigh.EDU>
Message-ID: <200105151608.LAA20741@ds02c00.directory.ray.com>

Subject: TEST MESSAGE IGNORE

To: neqrp@jona1.net,
qrp-1@Lehigh.EDU

From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>

Date: Tue, 15 May 2001 12:07:29 -0400

Message-ID: <0F826417E6.7F96ECD5-0N85256A4D.00588ED8@and.us.ray.com>

X-MIMETrack: Serialize by Router on AD2-MTA02/SRV/Raytheon(Release 5.0.6a |January 17, 2001) at

05/15/2001 12:07:31 PM

MIME-Version: 1.0

Date: Tue, 15 May 2001 12:11:15 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [98257] W7ZOI-W7PUA dBm meter
Message-ID: <200105151643.f4FGhWx22429@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> A wattmeter?? Sounds like a building project to me.

>

> And just in time comes a terrific article from W7ZOI and W7PUA
> in June's QST: an AD8307 and a handful of parts = pretty sensitive
> and accurate wattmeter. Check it out.

>

I found this article interesting, as a couple of years ago I built a 8307 based dBm meter, but with a digital led read out. But I didn't persue it as a possible kit, as most hams like to read power directly in watts, not dBm. The digital dBm meter become the digital rms watt meter when the AD8361 came out.

If anyone is seriously thinking of building the W7ZOI/W7PUA 8307 dBm meter and would like to have a direct digital dBm readout with 0.1 dBm resalution, (much more accurate than the analog meter used in the article) possibly with dual range selection (with or without input attenuator) , let me know.

> I'm also waiting for KD1JV's AD8361 wattmeter project kit to

>arrive... I'll be swimming in wattmeters soon! I like it!
>
These will be shipping by the end of the week :-)

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 15 May 2001 13:13:19 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [98258] Re: Q: Herring-Aid 5 ??
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9E54@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

How about the Warbler, a \$45 transceiver kit with an RF crystal filter at
the input to remove the unwanted sideband?--Zack W1VT

see the March 2001 QST p.41

Date: Tue, 15 May 2001 14:17:44 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@Lehigh.EDU
Subject: [98259] W7Z0I-W7PUA dBm meter from Kanga
Message-ID: <20010515181558.GEWX23469.invictus@n8et>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi -

QST caught me again with a "moved up" publication date, so I am not ready
with the "kit" mentioned in the article. I will be putting it together after
Dayton, so it will be another couple of weeks before I can announce anything
about price and availability. I will post to QRP-L when I am ready to go...

73 - Bill - N8ET

Kanga US

kanga@mail.bright.net

<http://www.bright.net/~kanga/>

419-423-4604

Date: Tue, 15 May 2001 14:17:44 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-1@Lehigh.EDU
Subject: [98260] Bike trip update
Message-ID: <20010515181555.GEWS23469.invictus@n8et>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The three travelers came by my QTH for breakfast this morning. They brought the rain along, so they had a slow breakfast, dried out, and are on the way again. They all seemed healthy and are having a good time.

They have taken along the new DK9SQ All Band Vertical to give it a shakedown this evening - look for them on the standard QRP frequencies.... I will have the Vertical set up at the suite at the Ramada this weekend.
73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Tue, 15 May 2001 14:33:25 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98261] RE: toroids What type for QRP Balun?
Message-ID: <078F21595FA7D411B87B00805FA728E64A4762@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Stan,

But will your coil refresh you when you get thirsty 8-)..

The other thing is that you can "store" your portable antenna on the bottle and nothing get all tangled. You also have a nice storage place for the excess feed line if needed. But, the coil is a bit smaller. 8-)

Jerry
W3CDE

-----Original Message-----
From: Stan Yarema [mailto:bg783@scn.org]

Sent: Monday, May 14, 2001 8:42 AM
To: Low Power Amateur Radio Discussion
Subject: RE: toroids What type for QRP Balun?

I tried using the choke coil method Jerry suggested for isolating the end of a halfwave. It takes a lot of turns to get enough inductance, about 3X the number you'd use at the feedpoint of a center-fed dipole. This is a lot of coax. So, now I match with a tapped LC resonant circuit at the end of the half-wave antenna. It takes up less room and I can adjust it for 1:1 at the antenna. One end of the parallel LC ckt is connected to the coax shield the other to the antenna. The center of the coax is tapped down the coil (about 1/5 above ground) for 50 ohm match. I don't find I need any additional ground connection, but use a ground rod for safety.

This is not broadbanded of course, but you could build a small QRP version. (the antenna is for 80 meters)

72 Stan, K7SY

Date: Tue, 15 May 2001 22:52:30 +0400
From: "Oleg Borodin" <master72@lipetsk.ru>
To: "qrp-l" <qrp-l@lehigh.edu>, "G-QRP" <gqrp@yahoo.com>
Subject: [98262] NorCal-20
Message-ID: <20010515185332Z12195-293+7904@relay.lipetsk.ru>
MIME-Version: 1.0
Content-Type: text/plain; charset=Windows-1251
Content-Transfer-Encoding: 7bit

Hello, dear OMs!

Does anybody here has build NorCal-20meters trcvr? I wonder how it work for receiver mode?

How VFO stability, RX sensetivity? Has any problems with tuning?

Thanks for answers!

72 & 73! de RV3GM/QRP Lipetsk, Russia

G-QRP/#4690 QRP-ARCI/#10742 QRP-MASTER/#50

eng. Oleg V. Borodin E-Mail: master72@lipetsk.ru

Date: Tue, 15 May 2001 15:45:44 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <master72@lipetsk.ru>
Subject: [98263] Re: NorCal-20
Message-ID: <023301c0dd77\$a1dc7400\$010044c0@baycty1.mi.home.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1251"
Content-Transfer-Encoding: 7bit

Oleg

The NC-20 is a very nice radio. The VFO is quite stable ... not as solid as a synthesized rig, but typically will drift a couple hundred cycles over the first 15 minutes or so of powering on. With the double regulation mod it has no chirp and is quite tolerant of power supply variations.

On HF, virtually any radio will have more sensitivity than you can use, and the NC-20 is no different in this respect. It's more than capable of hearing the noise floor.

The NC-20 is one of the few low cost radios that doesn't use an SA602 for the first mixer, and it shows. It is far more tolerant of strong nearby signals than any radio of the breed, and it visibly outperforms the K-1 in this respect. The price you pay is in receive current ... the NC-20's 150ma receive current is among the highest around. This isn't the most backpack-friendly radio you can find!

The NC-20 includes a TiCK keyer. Until I got my K-1 I didn't realize how much of a problem this was. It's fairly messy to change speeds, and you really can't do it during a QSO. Although you can replace the TiCK-1 with a TiCK-4 with 2 memories, the memories really aren't all that useful. In the heat of battle it's hard to use them without making a mistake. However, the nonvolatile parameter storage of the TiCK-4 is a big win compared to the stock TiCK-1.

The AFA is something you like or not. I find it very pleasant to never have to look at the radio. It tells you the frequency when you stop tuning, and if you forget, you just push the button. The downside is that the resolution is only 1KHz. Some people prefer a display.

It's unfortunate that Red Hot is having so much trouble getting these things out the door. It certainly stands above any of the other radios in the price class, but you need to be awfully lucky to find one.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Oleg Borodin" <master72@lipetsk.ru>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, May 15, 2001 2:52 PM

Subject: NorCal-20

> Hello, dear OMs!
> Does anybody here has build NorCal-20meters trcvr? I wonder how it work
for
> receiver mode?
> How VFO stability, RX sensetivity? Has any problems with tuning?
> Thanks for answers!
> 72 & 73! de RV3GM/QRP Lipetsk, Russia
> G-QRP#4690 QRP-ARCI#10742 QRP-MASTER#50
> eng. Oleg V. Borodin E-Mail: master72@lipetsk.ru
>

Date: Tue, 15 May 2001 16:31:59 -0400
From: ed.kwik@delphiauto.com
To: qrp-1@Lehigh.EDU
Subject: [98264] Re: NorCal-20
Message-ID: <05256A4D.007108C8.00@notes.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Yes the NC20 is a very nice rig. Mine is stock and works well. Only a very critical ear can hear my marginal stock regulation. Sure wish there were 30, 15, and 80 meter versions available.

Ed AB8DF

Date: Tue, 15 May 2001 15:37:46 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [98265] How to become knowledgeable and stay that way on components
Message-ID: <00f201c0dd7e\$e657b7a0\$4e100a0a@rohredt2000>

Gang,
Recent queries on IDing parts, what the specs mean, etc. brings to mind that we have not mentioned in a year, that the best thing a ham can do is get on a bunch of mailing lists for component catalogs. The web is a great tool for this now. We formerly had to rely on trade magazines, which are free

professional magazines that advertise components for the various specialties, like RF Design, Electronics Products, (which is great for keeping up with new components of all kinds), and others. Most of these have web pages now as well. If you work for an electronics co. they want you as a subscriber. If you are a designer of occasional projects, inventor, or consultant, they want you. Who knows who might invent something like PSK 31, and cause a need for new hardware? I have been a kind of catalog library over the years to my company, and have mentored many student engineers with them showing them what the practical caps are for particular applications, etc.

Get catalogs like Mouser, Allied , Newark, Digikey to get an overview of all components. Then get specialty catalogs of box vendors like Bud, and Hammond, and get cap catalogs like Cornell Dublier, Kemet, and the various off shore vendors of many components like Piher, (Europe). Most import/export worldwide now.

The best search engine for technical stuff I have is <google.com> It has never let me down. Very focused as it uses others to get you better focused hits.

Get a whole bookcase for catalogs and back issues of ham magazines, and you will have good resources for that next project or general knowledge.

GL and 72,
Stuart K5KVH

Date: Tue, 15 May 2001 13:59:10 -0700 (PDT)
From: Doug Simpson <dsimpson@darkwing.uoregon.edu>
To: "Chuck Adams, K7QO" <k7qo@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98266] Re: [MH101] Schematic Update
Message-ID: <Pine.GS0.4.33.0105151353500.16103-100000@darkwing.uoregon.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Oh Wise Ones,

Now I *am* confused. :-) If I'm interested in the mods, then I should wait and NOT start building, despite the current schematic and parts diagram Chuck helpfully and enticingly posted on his web site?

A clueless grasshopper in Springfield, Oregon,

Doug Simpson WA7SKY

On Wed, 9 May 2001, Chuck Adams, K7Q0 wrote:

>
>
> ...snipped...
>
> For those building the unmodified version of the SW30+ then the schematic
> as you now see it will be all that you need.
>
> For those that are interested in the mods, then we will go through several
> iterations on the schematic for several mods depending upon how many you want
> to do. I will keep them all on the web page with notes.
>
> ...snipped...

Date: Tue, 15 May 2001 20:59:14
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [98267] [HB] Messing with cordless phones
Message-ID: <F1403hRDT6Z3LstPGtP000003a6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I've been busting up some cordless phones to play around with the IF strips. The latest adventure involves a Sony single channel base unit board which I have heavily depopulated except for the MC3361 chip, its associated circuitry and the dual op-amp chip which functions as a noise sensing filter for driving the squelch and as an audio amp. I removed the 49.??? MHz crystal (whatever it was, I can't recall) and popped in a 10.245 MHz crystal so that the input pin can then be fed from a 10.7 MHz upstream IF. The 3361 further mixes the crystal osc and IF to get a second IF of 455 kHz and then is limited and demodulated.

Last night I hacked in a volume control and a modification to use the squelch switch to mute the audio. There was no RF input to the board. I've been feeding it for testing from the 10.7 MHz IF of a broadcast FM IF strip. Before I could do this I happened to touch the input pin with my finger and out popped a signal nice and loud. It was a broadcast about Vietnam and Ho Chi Minh. It was a little crackly and not too clear but my standard receiver confirmed that it was a station on 9795 kHz (the other side of the xtal osc f). Lo and Behold! there is the Voice of Vietnam on 9795 kHz:

<http://www.vov.org.vn/docs1/english/programme/index1.html>

Question:

Is it usual to be able to receive and understand AM signals using an FM detector?

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Tue, 15 May 2001 15:51:58 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Qrp-l@lehigh.edu
Subject: [98268] Morse Express / Oak Hills at Dayton
Message-ID: <3B01509E.19638.96A3D4@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Guys--

Off tomorrow to FDIM, and both Morse Express and Oak Hills Research will be represented at the FDIM Vendor Night on Friday with a selection of kits and keys.

I'll be driving with N2WW and we will be on the air mobile from about 2100Z tomorrow (Wednesday). Most likely around the QRP freqs on 20/30/40M CW but other bands and modes will be used from time to time. I expect one or the other of us will be operating during most of the estimated 20 hour trip.

If I don't see you at FDIM maybe we can have a road QSO....

Marshall Emm, N1FN
Milestone Technologies, Inc.

(303) 752-3382
<http://www.mtechnologies.com>

Date: Tue, 15 May 2001 16:55:52 -0500 (CDT)
From: Joe Smith <joe@joesmith.net>
To: qrp-1@lehigh.edu
Subject: [98269] Dayton Internet
Message-ID: <Pine.LNX.4.10.10105151654000.3682-100000@nikola.joesmith.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What does everyone do at the Ramada for Internet access while at Dayton?
Is it free local calls? It would be cool to setup a wireless QRP LAN,
wouldn't it?

Looking forward to meeting everyone! I'll be at the banquet Saturday
night for sure!

72 de W0J0dit

"Learn to laugh at your problems, everyone else does"

Date: Tue, 15 May 2001 17:56:49 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". NJ QRP-L" <njqrp@njqr.org>, ". QRP Solar Power"
<QRPSolarPower@yahoogroups.com>, ". QRP-L" <qrp-1@Lehigh.EDU>, ".G-QRP Club"
<GQRP@egroups.com>,
".HF Pack" <hfpack@yahoogroups.com>
Cc: <HamRadio_Mountaintopping@yahoogroups.com>, <elecraft@qth.net>
Subject: [98270] Appalachian Trail Hike in PA
Message-ID: <009401c0dd89\$f273b060\$76095cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

This weekend the PA section of the Appalachian Trail
will be activated by members of the Eastern PA QRP Club.

This will be the first of many hikes this summer with our QRP radios and solar power. A group of us plan to hike the 220 miles of Appalachian Trail in PA.

Len, N2BSC / Ed, WA3WSJ / Ron, WB3AAL will be hiking the northeast section of PA. This trip will start on Saturday morning around 9 AM. We could be on the air between 1 PM too 3 PM at the latest. Know idea on how late. It could a late one if the bands are open. :-)

Will be on the air on Sunday morning but we might wrap it up by 9 AM. This is mostly due to the 15 mile hike ahead.

I am not going to really set any kind of band plans due to the poor conditions which could change at any moment. But we plan to make the best of it and make as many QSO's as we can on the bands that are open. We plan to operate CW this time out, (my K2 does not have SSB). Ed is going to use his K1 and I am going to use my K2. Len plans on taking a 40 and 20 meter mono-band rigs. Ed and Ron will be running from solar power charged batteries. We will both be carrying solar panels, hope it is sunny!!

We hope if anyone from the different list does work us, that they post an e-mail letting everyone know where we are. Also on the DX cluster on the Web, we would like to work some DX from the AT.

Look at www.n3epa.org for information on the Appalachian Trail Award Program. Looking for some southern states for a Trail to Trail QSO.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625

```
ARS # 380                                HI QRP #153
VA QRP Society #45                      MI QRP #1703
K2 sn1392                                NJ QRP #179
```

Date: Tue, 15 May 2001 18:52:32 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: QRP-L <QRP-L@lehigh.edu>
Cc: russ@natworld.com
Subject: [98271] Island QRP Expedition
Message-ID: <3B01B330.5A8C3857@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

Three KnightLites will be kayak camping on Bear Island NC this coming weekend, May 18-20. The group includes John-WB40FT, Chris-KD4PBJ, and Paul-AA4XX.

We would be pleased to work you on CW (14.060 kHz +/- 2 kHz) or SSB (14.260). Please listen for our club call, WQ4RP. The "Islands on the Air" designation for this area is NA112.

72, Paul AA4XX

End of QRP-L Digest 2190
